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ARCHITECTS' & ENGINEERS' BUILT-UP ROOFING REFERENCE SERIES

VOLUME II STEEP ROOF SPECIFICATIONS

PUBLISHED BY

The *Barrett* Company

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VOLUME II

STEEP ROOF
SPECIFICATIONS

PUBLISHED BY

The *Barrett* Company

40 Rector Street, New York, N. Y.

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SERVICE



HIS book contains complete specifications and detailed drawings of Built-Up Roofings for steep roof decks.

It is the SECOND of a series, which treats with the following subjects:

- VOLUME I—FLAT ROOF SPECIFICATIONS
- VOLUME II—STEEP ROOF SPECIFICATIONS
- VOLUME III—ROOF FLASHING SYSTEM
- VOLUME IV—ROOF DRAINAGE SYSTEM
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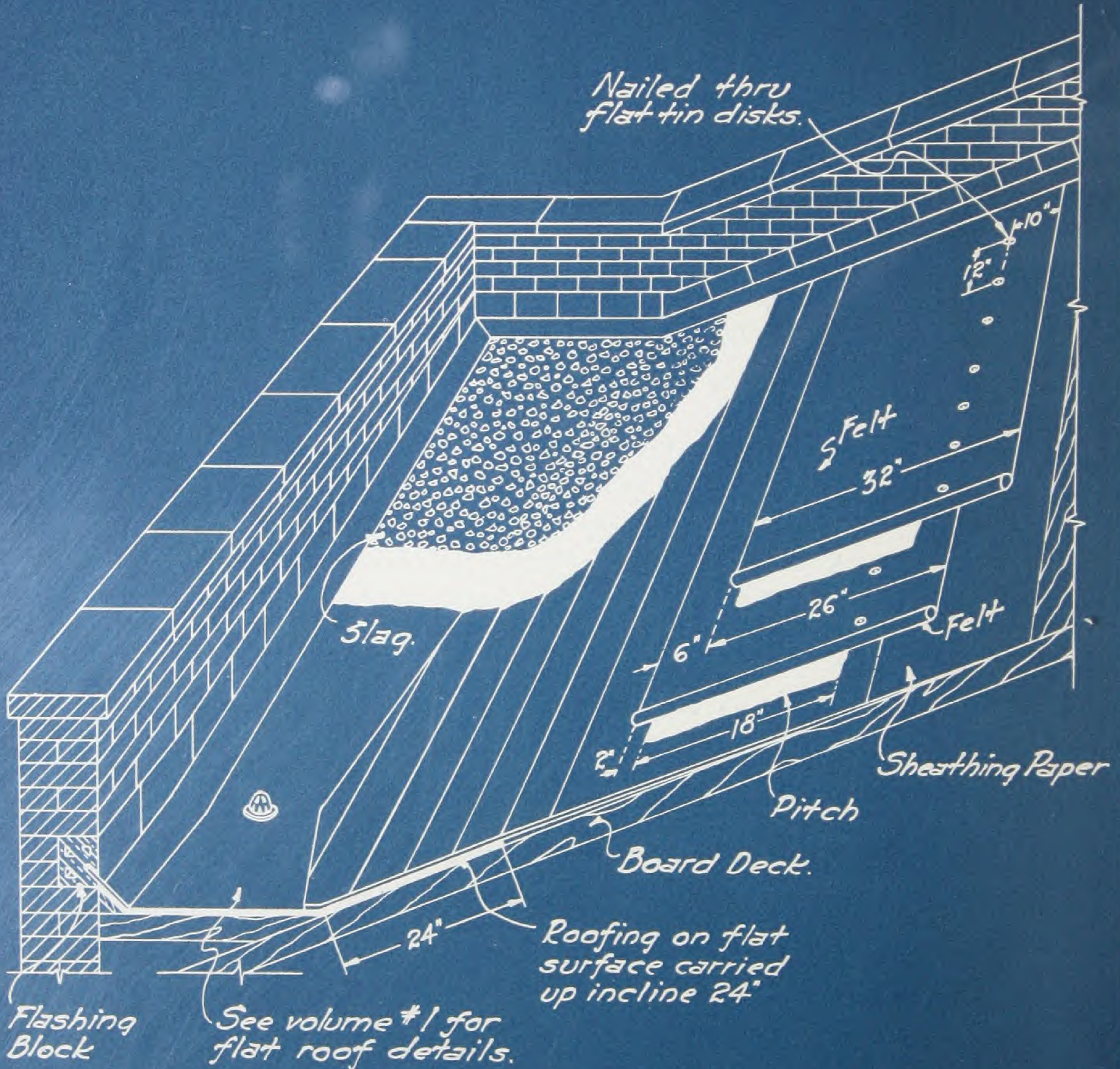
The data given in the Reference Series comprises the most practical methods and procedure based on nearly three-quarters of a century's experience and practice in the field.

For the unusual roofing or water-proofing problems, we maintain a Construction Service, distinct from our sales organization. This Service is at your disposal, for consultation at any time.

The *Barnett* Company

Barrett SPECIAL (5-Ply) STEEP ROOF
FOR USE
OVER BOARDS

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See volume #3 for flashing details.

BARRETT SPECIAL (5-Ply) STEEP ROOF FOR USE OVER BOARDS

*FOR INCLINES OVER TWO (2) INCHES AND NOT
EXCEEDING SIX (6) INCHES TO THE FOOT*

THE roof deck shall be of seasoned lumber, smooth and free from loose boards, large cracks or knot holes, and free from loose material.

FIRST—Lay one (1) thickness of sheathing paper or unsaturated felt weighing not less than five (5) pounds per one hundred (100) square feet, lapping the sheets at least one (1) inch.

SECOND—Over the entire surface lay five (5) plies of Specification Tarred Felt at right angles to the incline of the roof, lapping each sheet twenty-six (26) inches over preceding one. Each sheet shall be nailed with one (1) inch barbed roofing nails through flat tin disks, ten (10) inches from the upper edge, nails to be spaced not more than one (1) foot apart.

THIRD—Mop back on each sheet for a distance of twenty (20) inches with Specification Pitch. Care shall be taken that pitch moppings are held back two (2) inches from the lower edge of each sheet, and that the finished felt surface shall be free of pitch drippage from the mopping bucket.

FOURTH—Over the entire surface spread with a mop a uniform coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, embed not less than two hundred fifty (250) pounds of slag for each one hundred (100) square feet. The slag shall be from one-quarter ($\frac{1}{4}$) to five-eighths ($\frac{5}{8}$) inch in size, dry and free from dirt. If roofing is applied during cool weather, or slag is damp, it shall be heated and dried. The slag shall be warm when applied to the roof. The finished surface shall be broomed clean of all loose slag.

GENERAL—Felt shall be laid without wrinkles or buckles. Not less than sixty (60) pounds of pitch and not less than forty (40), nor more than fifty (50), pounds of asphalt shall be used for constructing each one hundred (100) square feet of completed roof. The pitch and asphalt shall not be heated above four hundred (400) degrees Fahrenheit.

Where steep roofs join flat roofs, the roofing on the flat surfaces shall be carried up the inclined surfaces not less than twenty-four (24) inches before the application of the steep roofing.

The roof shall be applied by a roofing contractor approved by The Barrett Company. He shall furnish The Barrett Company's Surety Bond Guaranty issued by the United States Fidelity & Guaranty Company of Baltimore, covering a period of ten (10) years from date of completion in accordance with Note No. 1.

NOTE No. 1.—The Barrett Company will give its ten-year Guaranty Bond on jobs in the United States and Canada where its inspection service is available providing the roof is laid by a roofing contractor approved by The Barrett Company in strict accordance with the above specification and subject to Barrett inspection and approval under the following conditions:

- (a) That the steep roof area shall be roofed in conjunction with the flat roof area.
- (b) That the flat roof area shall be covered with a Barrett Specification Type "A" or Type "AA" roof.

—————
This specification does not include flat roofing.

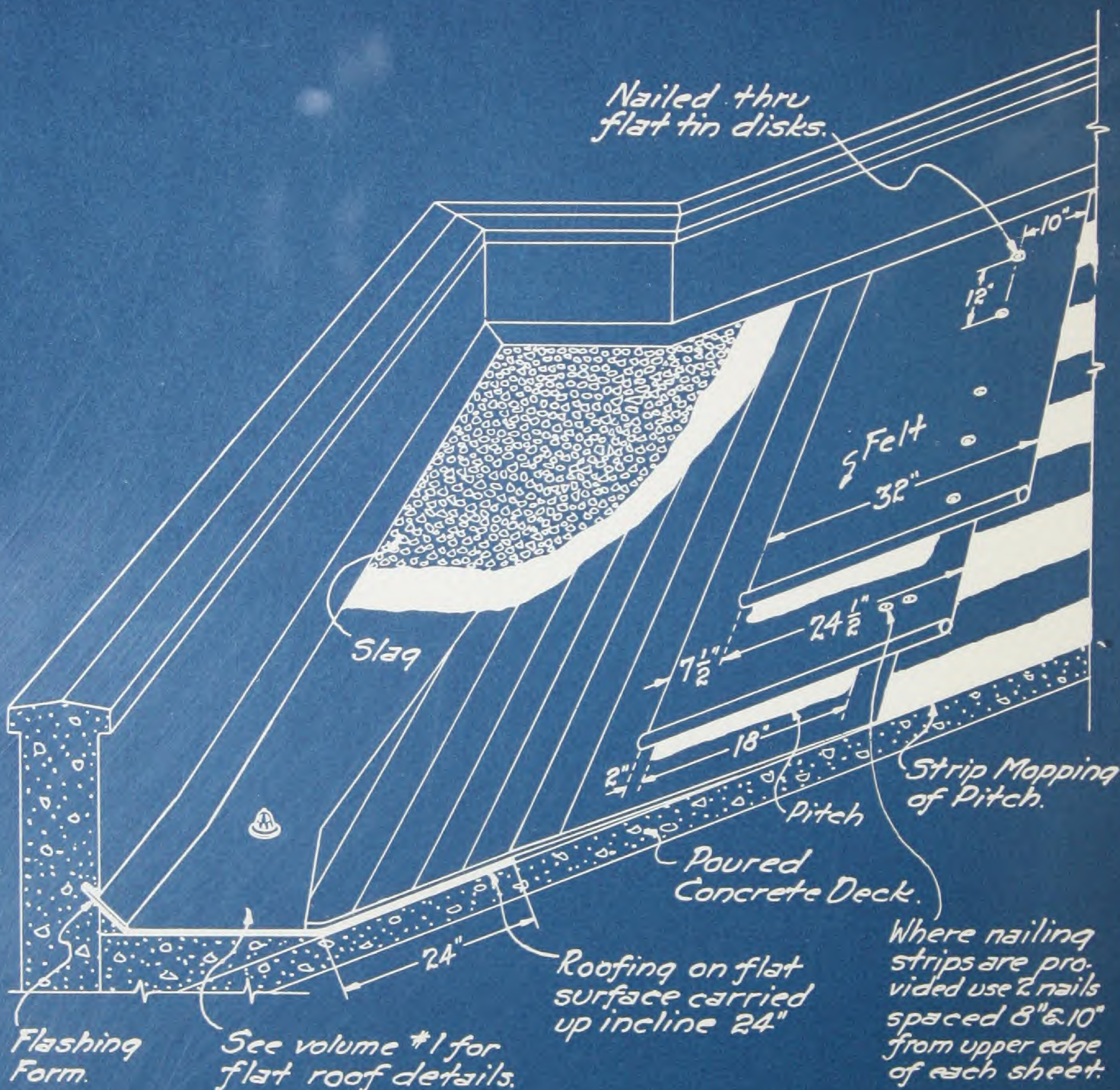
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See Volume I for Flat Roof Specifications.

—————
This specification does not include flashings.

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See Volume III for Flashing Specifications.

Barrett SPECIAL (4-Ply) STEEP ROOF
FOR USE
OVER POURED CONCRETE

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BARRETT SPECIAL (4-Ply) STEEP ROOF FOR USE OVER POURED CONCRETE

*FOR INCLINES OVER ONE (1) INCH AND NOT
EXCEEDING SIX (6) INCHES TO THE FOOT*

THE roof deck shall be smooth, firm, dry and free from loose material. The concrete shall permit of nailing or creosoted wooden nailing strips shall be provided. If nailing strips are provided, they shall be laid parallel with the incline of the roof and shall be spaced not more than three (3) feet apart.

FIRST—Strip mop the surface of the concrete deck with Specification Pitch. Strip moppings shall run parallel with the incline of the roof and shall be not less than twelve (12) inches nor more than eighteen (18) inches wide. The distance between each shall not exceed double the width of the mopping.

SECOND—Over the entire surface lay four (4) plies of Specification Tarred Felt at right angles to the incline of the roof, lapping each sheet twenty-four and one-half ($24\frac{1}{2}$) inches over preceding one. Each sheet shall be nailed with one (1) inch barbed roofing nails through flat tin disks ten (10) inches from the upper edge, nails to be spaced not more than one (1) foot apart. If nailing strips are used, the felt shall be nailed with two (2) nails, through flat tin disks (at each nailing strip) placed eight (8) and ten (10) inches respectively from the upper edge of each sheet.

THIRD—Mop back on each sheet for a distance of twenty (20) inches with Specification Pitch. Care shall be taken so that pitch moppings are held back two (2) inches from the lower edge of each sheet and that the finished felt surface shall be free of pitch drippage from the mopping bucket.

FOURTH—Over the entire surface spread with a mop a uniform coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, embed not less than two hundred fifty (250) pounds of slag for each one hundred (100) square feet. The slag shall be from one-quarter ($\frac{1}{4}$) to five-eighths ($\frac{5}{8}$) inch in size, dry and free from dirt. If roofing is applied during cool weather, or slag is damp, it shall be heated and dried. The slag shall be warm when applied to the roof. The finished surface shall be broomed clean of all loose slag.

GENERAL—Felt shall be laid without wrinkles or buckles. Not less than sixty-five (65) pounds of pitch and not less than forty (40), nor more than fifty (50), pounds of asphalt shall be used for constructing each one hundred (100) square feet of completed roof. The pitch and asphalt shall not be heated above four hundred (400) degrees Fahrenheit.

Where steep roofs join flat roofs, the roofing on the flat surfaces shall be carried up the inclined surfaces not less than twenty-four (24) inches before the application of the steep roofing.

The roof shall be applied by a roofing contractor approved by The Barrett Company. He shall furnish The Barrett Company's Surety Bond Guaranty issued by the United States Fidelity & Guaranty Company of Baltimore, covering a period of ten (10) years from date of completion in accordance with Note No. 1.

NOTE No. 1.—The Barrett Company will give its ten-year Guaranty Bond on jobs in the United States and Canada where its inspection service is available providing the roof is laid by a roofing contractor approved by The Barrett Company in strict accordance with the above specification and subject to Barrett inspection and approval under the following conditions:

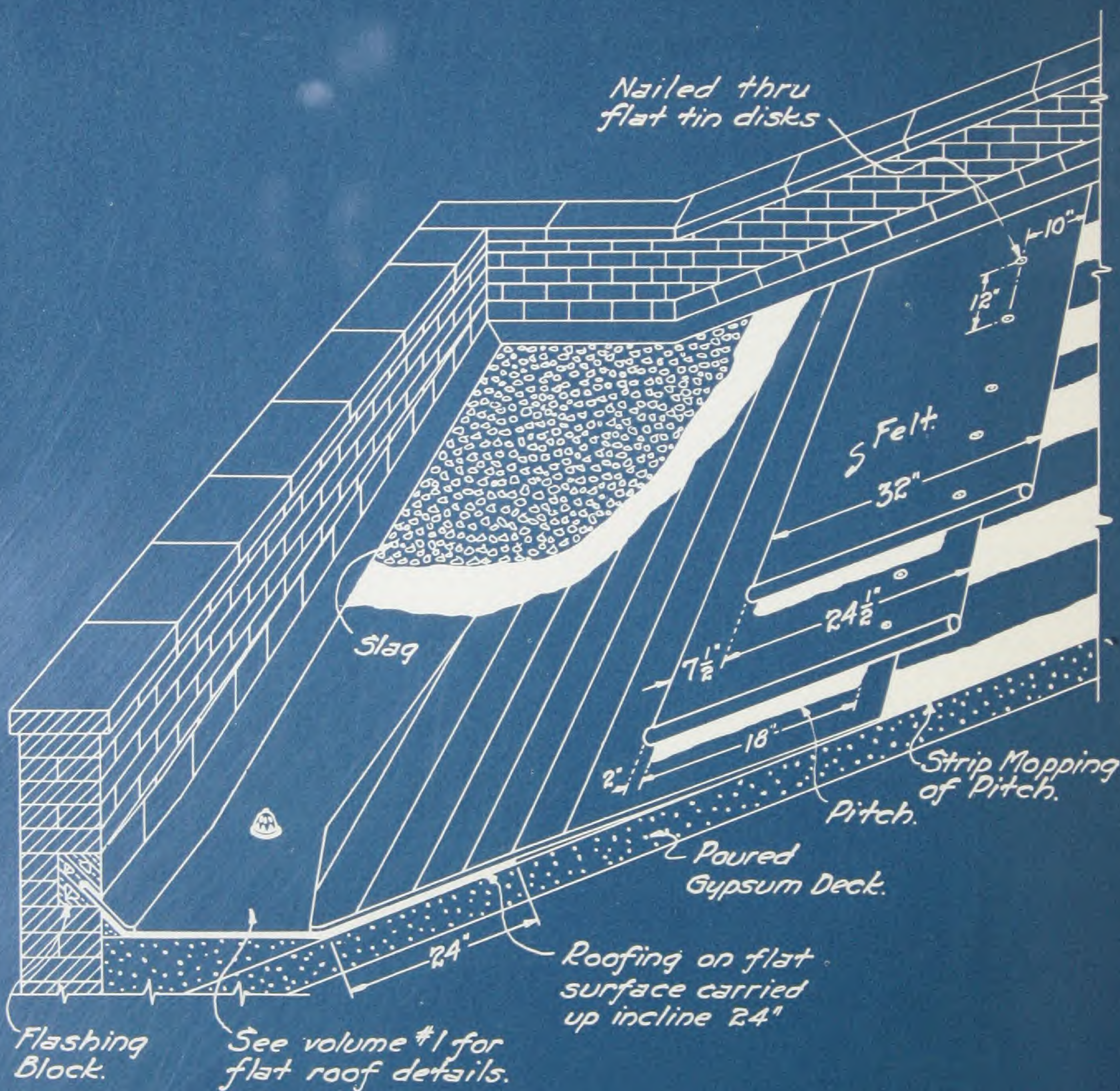
- (a) That the steep roof area be roofed in conjunction with the flat roof area.
- (b) That the flat roof area shall be covered with a Barrett Specification Type "A" or Type "AA" roof.

—————> >—————
This specification does not include flat roofing. See Volume I for Flat Roof Specifications.

—————> >—————
This specification does not include flashings. See Volume III for Flashing Specifications.

Barrett SPECIAL (4-Ply) STEEP ROOF
FOR USE
OVER POURED GYPSUM

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See volume #3 for
flashing details.

BARRETT SPECIAL (4-Ply) STEEP ROOF FOR USE OVER POURED GYPSUM

*FOR INCLINES OVER TWO (2) INCHES AND NOT
EXCEEDING SIX (6) INCHES TO THE FOOT*

THE roof deck shall be smooth, firm, dry and free from loose material.

FIRST—Strip mop the surface of the gypsum deck with Specification Pitch. Strip moppings shall run parallel with the incline of the roof and shall be not less than twelve (12) inches nor more than eighteen (18) inches wide. The distance between each shall not exceed double the width of the mopping.

SECOND—Over the entire surface lay four (4) plies of Specification Tarred Felt at right angles to the incline of the roof, lapping each sheet twenty-four and one half ($24\frac{1}{2}$) inches over preceding one. Each sheet shall be nailed with one (1) inch barbed roofing nails through flat tin disks ten (10) inches from the upper edge, nails to be spaced not more than one (1) foot apart.

THIRD—Mop back on each sheet for a distance of twenty (20) inches with Specification Pitch. Care shall be taken so that pitch moppings are held back two (2) inches from the lower edge of each sheet and that the finished felt surface shall be free of pitch drippage from the mopping bucket.

FOURTH—Over the entire surface spread with a mop a uniform coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, embed not less than two hundred fifty (250) pounds of slag for each one hundred (100) square feet. The slag shall be from one-quarter ($\frac{1}{4}$) to five-eighths ($\frac{5}{8}$) inch in size, dry and free from dirt. If roofing is applied during cool weather or slag is damp, it shall be heated and dried. The slag shall be warm when applied to the roof. The finished surface shall be broomed clean of all loose slag.

GENERAL—Felt shall be laid without wrinkles or buckles. Not less than sixty-five (65) pounds of pitch and not less than forty (40), nor more than fifty (50), pounds of asphalt shall be used for constructing each one hundred (100) square feet of completed roof. The pitch and asphalt shall not be heated above four hundred (400) degrees Fahrenheit.

Where steep roofs join flat roofs, the roofing on the flat surfaces shall be carried up the inclined surfaces not less than twenty-four (24) inches before the application of the steep roofing.

The roof shall be applied by a roofing contractor approved by The Barrett Company. He shall furnish The Barrett Company's Surety Bond Guaranty issued by the United States Fidelity & Guaranty Company of Baltimore, covering a period of ten (10) years from date of completion in accordance with Note No. 1.

NOTE No. 1.—The Barrett Company will give its ten-year Guaranty Bond on jobs in the United States and Canada where its inspection service is available providing the roof is laid by a roofing contractor approved by The Barrett Company in strict accordance with the above specification and subject to Barrett inspection and approval under the following conditions:

- (a) That the steep roof area shall be roofed in conjunction with the flat roof area.
- (b) That the flat roof area shall be covered with a Barrett Specification Type "A" or Type "AA" roof.

—————
This specification does not include flat roofing.

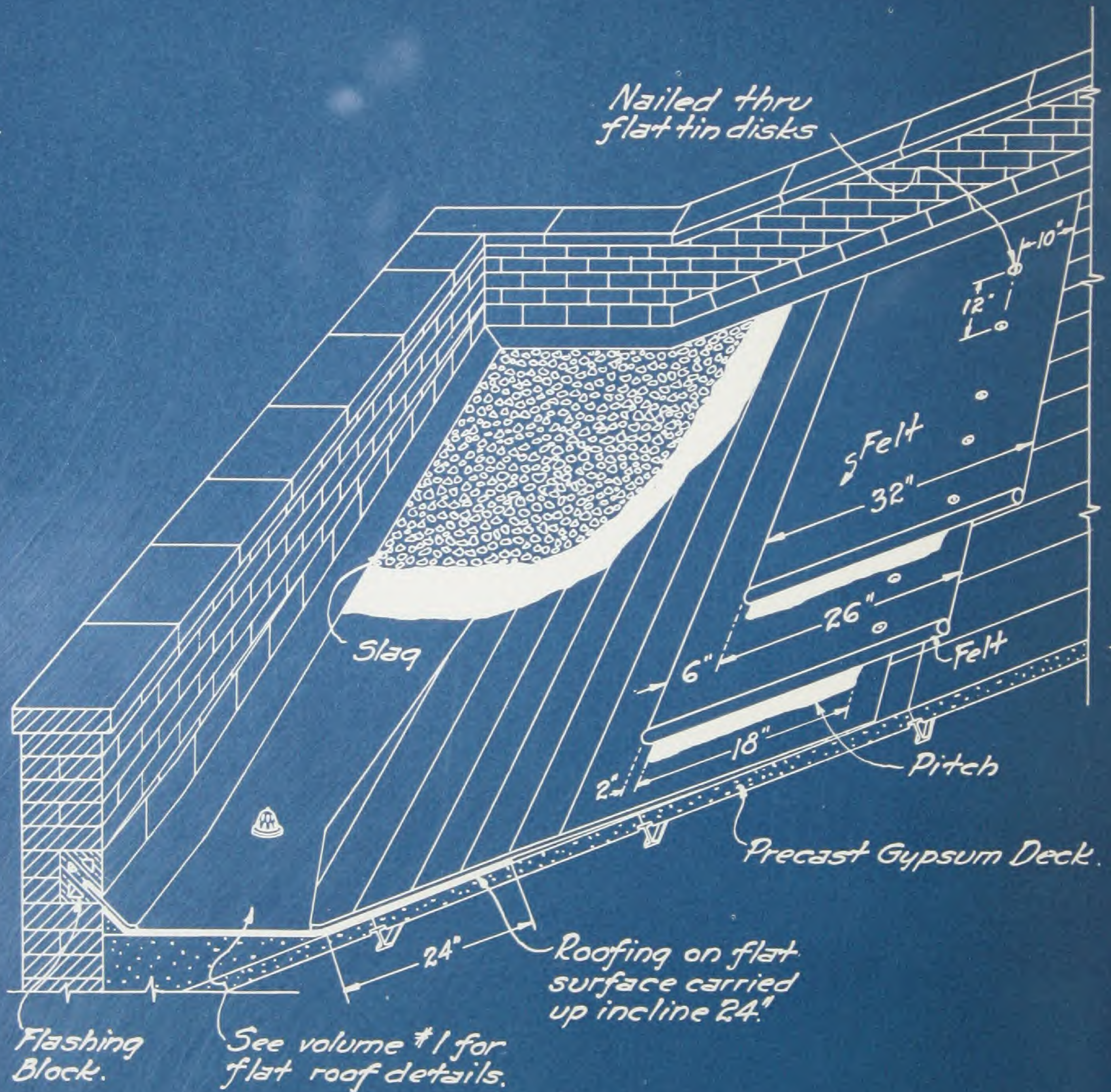
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See Volume III for Flashing Specifications.

Barrett SPECIAL (5-Ply) STEEP ROOF
FOR USE
OVER PRECAST GYPSUM SLABS

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BARRETT SPECIAL (5-Ply) STEEP ROOF FOR USE OVER PRECAST GYPSUM SLABS

*FOR INCLINES OVER TWO (2) INCHES AND
NOT EXCEEDING (6) INCHES TO THE FOOT*

ALL joints between precast gypsum slabs shall be properly pointed up. The roof deck shall be smooth, firm, dry and free from loose material.

FIRST—Over the entire surface lay five (5) plies of Specification Tarred Felt at right angles to the incline of the roof, lapping each sheet twenty-six (26) inches over preceding one. Each sheet shall be nailed with one (1) inch barbed roofing nails, through flat tin disks, ten (10) inches from the upper edge, nails to be spaced not more than one (1) foot apart.

SECOND—Mop back on each sheet for a distance of twenty (20) inches with Specification Pitch. Care shall be taken that pitch moppings are held back two (2) inches from the lower edge of each sheet, and that the finished felt surface shall be free of pitch drippage from the mopping bucket.

THIRD—Over the entire surface spread with a mop a uniform coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, embed not less than two hundred fifty (250) pounds of slag for each one hundred (100) square feet. The slag shall be from one-quarter ($\frac{1}{4}$) to five-eighths ($\frac{5}{8}$) inch in size, dry and free from dirt. If roofing is applied during cool weather or slag is damp, it shall be heated and dried. The slag shall be warm when applied to the roof. The finished surface shall be broomed clean of all loose slag.

GENERAL—Felt shall be laid without wrinkles or buckles. Not less than sixty (60) pounds of pitch and not less than forty (40), nor more than fifty (50), pounds of asphalt shall be used for constructing each one hundred (100) square feet of completed roof. The pitch and asphalt shall not be heated above four hundred (400) degrees Fahrenheit.

Where steep roofs join flat roofs, the roofing on the flat surfaces shall be carried up the inclined surfaces not less than twenty-four (24) inches before the application of the steep roofing.

The roof shall be applied by a roofing contractor approved by The Barrett Company. He shall furnish The Barrett Company's Surety Bond Guaranty issued by the United States Fidelity & Guaranty Company of Baltimore, covering a period of ten (10) years from date of completion in accordance with Note No. 1.

NOTE No. 1.—The Barrett Company will give its ten-year Guaranty Bond on jobs in the United States and Canada where its inspection service is available providing the roof is laid by a roofing contractor approved by The Barrett Company in strict accordance with the above specification and subject to Barrett inspection and approval under the following conditions:

- (a) That the steep roof area shall be roofed in conjunction with the flat roof area.
- (b) That the flat roof area shall be covered with a Barrett Specification Type "A" or Type "AA" roof.

—————> >—————
This specification does not include flat roofing.

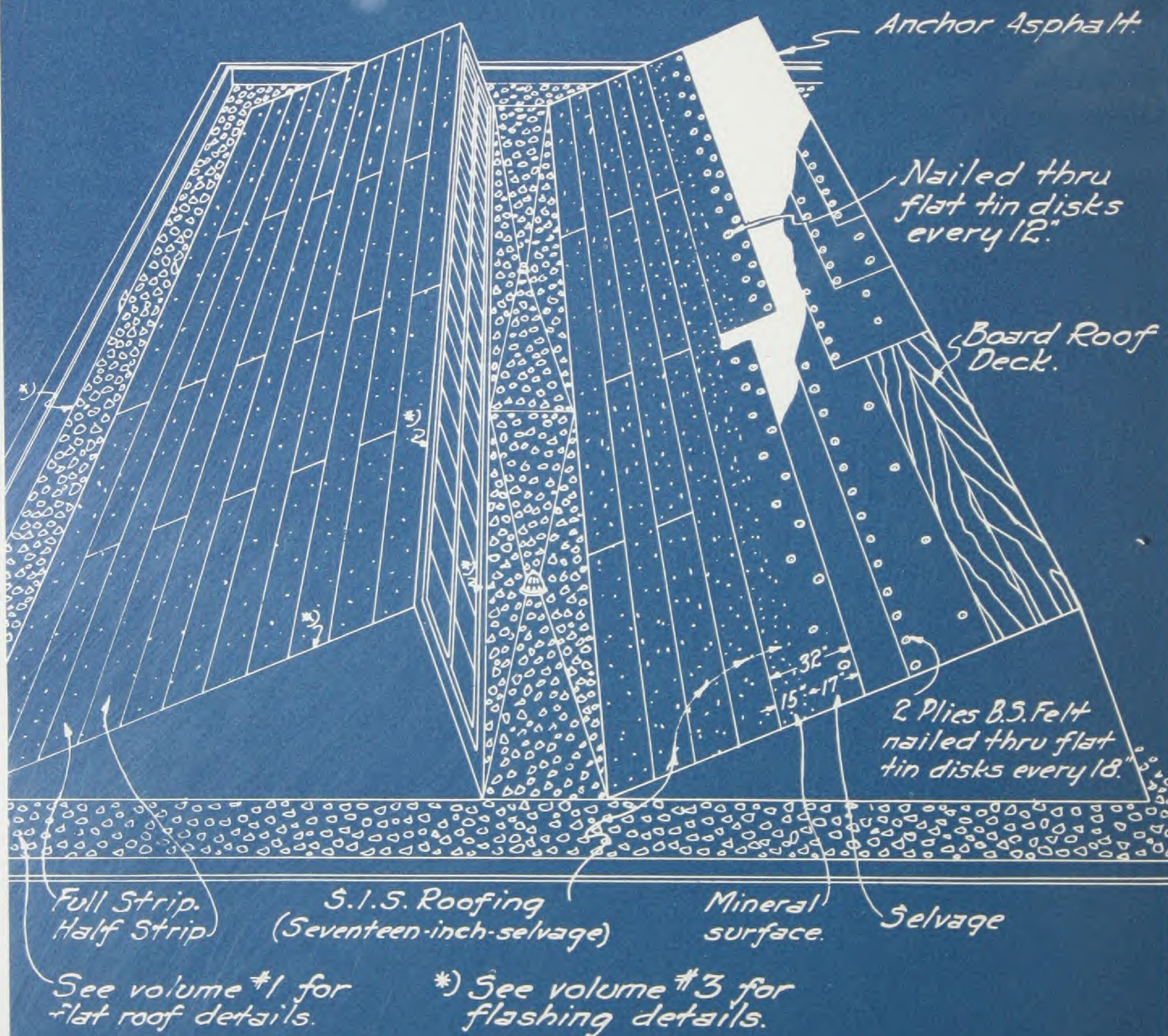
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Barrett SPECIAL S. I. S. STEEP ROOF
FOR USE
OVER BOARDS

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BARRETT SPECIAL S. I. S. STEEP ROOF FOR USE OVER BOARDS

FOR INCLINES EXCEEDING FOUR (4) INCHES TO THE FOOT

THE roof deck shall be of seasoned lumber, smooth and free from loose boards, large cracks or knot holes, and free from loose material.

FIRST—Over the entire surface lay two (2) plies of Specification Tarred Felt at right angles to the incline of the roof, lapping each sheet seventeen (17) inches over preceding one. Each sheet shall be nailed two (2) inches from the lower edge with barbed roofing nails, through flat tin disks, spacing the nails not more than eighteen (18) inches apart.

SECOND—Over the entire surface spread with a mop a uniform coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately rolled Barrett S. I. S. Roofing laid at right angles to the incline of the roof, lapping the sheets the full width of the seventeen (17) inch selvage. All sheets of Barrett S. I. S. Roofing shall be securely fastened in place with a double course of one (1) inch barbed roofing nails driven through flat tin disks, and placed along the selvage side of the sheet. Nailing courses to be staggered and nails to be spaced not more than twelve (12) inches apart. The lower nailing course shall be held back two (2) inches from the mineral surfacing.

THIRD—Spread over the entire surface of the seventeen (17) inch selvage a uniform mopping of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately rolled the following sheet of Barrett S. I. S. Roofing.

FOURTH—All end laps shall be over-lapped at least six (6) inches. The underlying sheet of each end lap shall be nailed with six (6) nails through flat tin disks spaced five (5) inches apart starting one (1) inch from the lower edge of the sheet. The six (6) inch lap shall be coated with Barrett Anchor Brand Roofing Asphalt and the over-lapping sheet thoroughly pressed down.

FIFTH—The Barrett S. I. S. Roofing shall be cut in strips not to exceed twenty (20) feet in length and shall be stacked flat in piles at least twenty-four (24) hours before using.

GENERAL—The felt and S. I. S. Roofing shall be laid without wrinkles or buckles. Not less than fifty (50) pounds of Barrett Anchor Brand Roofing Asphalt shall be used for constructing each one hundred (100) square feet of completed roof.

Where steep roofs join flat roofs, the roofing on the flat surfaces shall be carried up the inclined surfaces not less than twenty-four (24) inches before the application of the steep roofing.

The roof shall be applied by a roofing contractor approved by The Barrett Company. He shall furnish The Barrett Company's Surety Bond Guaranty issued by the United States Fidelity & Guaranty Company of Baltimore, covering a period of ten (10) years from date of completion in accordance with Note No. 1.

NOTE No. 1.—The Barrett Company will give its ten-year Guaranty Bond on jobs in the United States and Canada where its inspection service is available providing the roof is laid by a roofing contractor approved by The Barrett Company in strict accordance with the above specification and subject to Barrett inspection and approval under the following conditions:

- (a) That the steep roof area shall be roofed in conjunction with the flat roof area.
- (b) That the flat roof area shall be covered with a Barrett Specification Type "A" or Type "AA" roof.

—————
This specification does not include flat roofing.

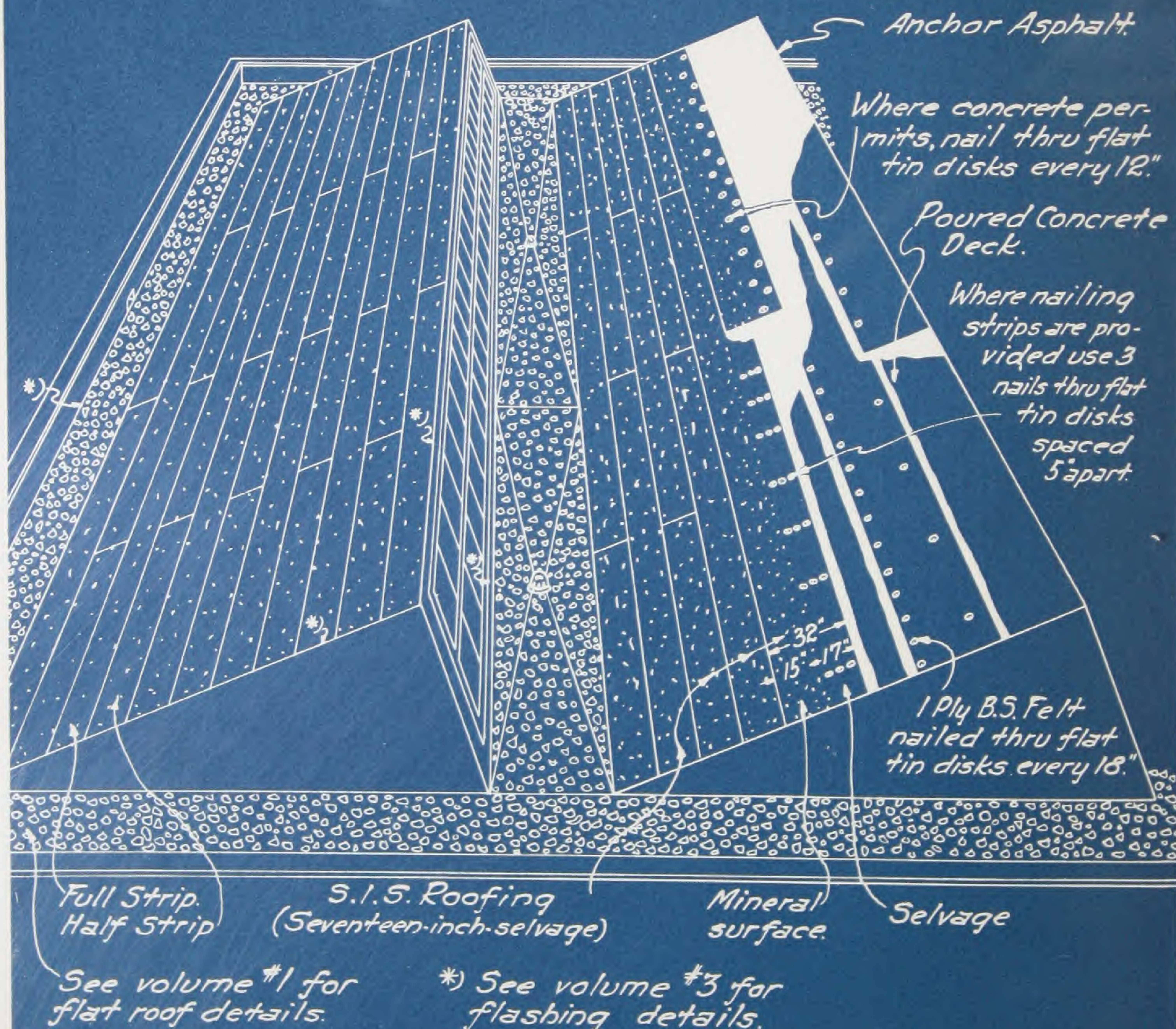
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Barrett SPECIAL S. I. S. STEEP ROOF
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BARRETT SPECIAL S. I. S. STEEP ROOF FOR USE OVER POURED CONCRETE

FOR INCLINES EXCEEDING FOUR (4) INCHES TO THE FOOT

THE roof deck shall be smooth, firm, dry and free from loose material. The concrete shall permit of nailing or creosoted wooden nailing strips shall be provided. If nailing strips are provided, they shall be laid parallel with the incline of the roof and shall be spaced not more than three (3) feet apart.

FIRST—The surface of the concrete deck shall be given a priming coat of Barrett Crystal Liquid Roof Coating. The priming coat shall be allowed to dry for not less than six (6) hours before the application of the Barrett Anchor Brand Roofing Asphalt.

SECOND—Over the entire surface of the roof deck spread with a mop a uniform coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately embedded one (1) ply of Specification Tarred Felt, laid at right angles to the incline of the roof, lapping each sheet six (6) inches over preceding one. The six (6) inch over-lap shall be thoroughly cemented together with Barrett Anchor Brand Roofing Asphalt. The felt shall be nailed two (2) inches from the lower edge of each sheet, with barbed roofing nails through flat tin disks, spacing the nails not more than eighteen (18) inches apart. If nailing strips are used, the felt shall be nailed with three (3) nails through flat tin disks spaced eight (8) inches apart starting two (2) inches from the lower edge of each sheet, at each nailing strip.

THIRD—Over the entire surface spread a uniform mopped coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately rolled Barrett S. I. S. Roofing laid at right angles to the incline of the roof, lapping the sheets the full width of the seventeen (17) inch selvage. All sheets of Barrett S. I. S. Roofing shall be securely fastened in place with a double course of one (1) inch barbed roofing nails driven through flat tin disks, and placed along the selvage side of the sheet. Nailing courses to be staggered and nails to be spaced not more than twelve (12) inches apart. The lower nailing course shall be held back two (2) inches from the mineral surfacing. If nailing strips are used, the S. I. S. Roofing shall be nailed with three (3) nails driven through flat tin disks, spaced six (6) inches apart, at each nailing strip.

FOURTH—Spread over the entire surface of the seventeen (17) inch selvage, a uniform mopping of Barrett Anchor Brand Roofing Asphalt, into which shall be immediately rolled the following sheet of Barrett S. I. S. Roofing.

FIFTH—All end laps shall be over-lapped at least six (6) inches. The underlying sheet of each end lap shall be nailed with six (6) nails through flat tin disks spaced five (5) inches apart starting one (1) inch from the lower edge of the sheet. The six (6) inch lap shall be coated with Barrett Anchor Brand Roofing Asphalt and the over-lapping sheet thoroughly pressed down.

SIXTH—The Barrett S. I. S. Roofing shall be cut in strips not to exceed twenty (20) feet in length and shall be stacked flat in piles at least twenty-four (24) hours before using.

GENERAL—The felt and S. I. S. Roofing shall be laid without wrinkles or buckles. Not less than one hundred (100) pounds of Barrett Anchor Brand Roofing Asphalt shall be used for constructing each one hundred (100) square feet of completed roof.

Where steep roofs join flat roofs, the roofing on the flat surfaces shall be carried up the inclined surfaces not less than twenty-four (24) inches before the application of the steep roofing.

The roof shall be applied by a roofing contractor approved by The Barrett Company. He shall furnish The Barrett Company's Surety Bond Guaranty issued by the United States Fidelity & Guaranty Company of Baltimore, covering a period of ten (10) years from date of completion in accordance with Note No. 1.

NOTE No. 1.—The Barrett Company will give its ten-year Guaranty Bond on jobs in the United States and Canada where its inspection service is available providing the roof is laid by a roofing contractor approved by The Barrett Company in strict accordance with the above specification and subject to Barrett inspection and approval under the following conditions:

- (a) That the steep roof area shall be roofed in conjunction with the flat roof area.
- (b) That the flat roof area shall be covered with a Barrett Specification Type "A" or Type "AA" roof.

This specification does not include flat roofing.

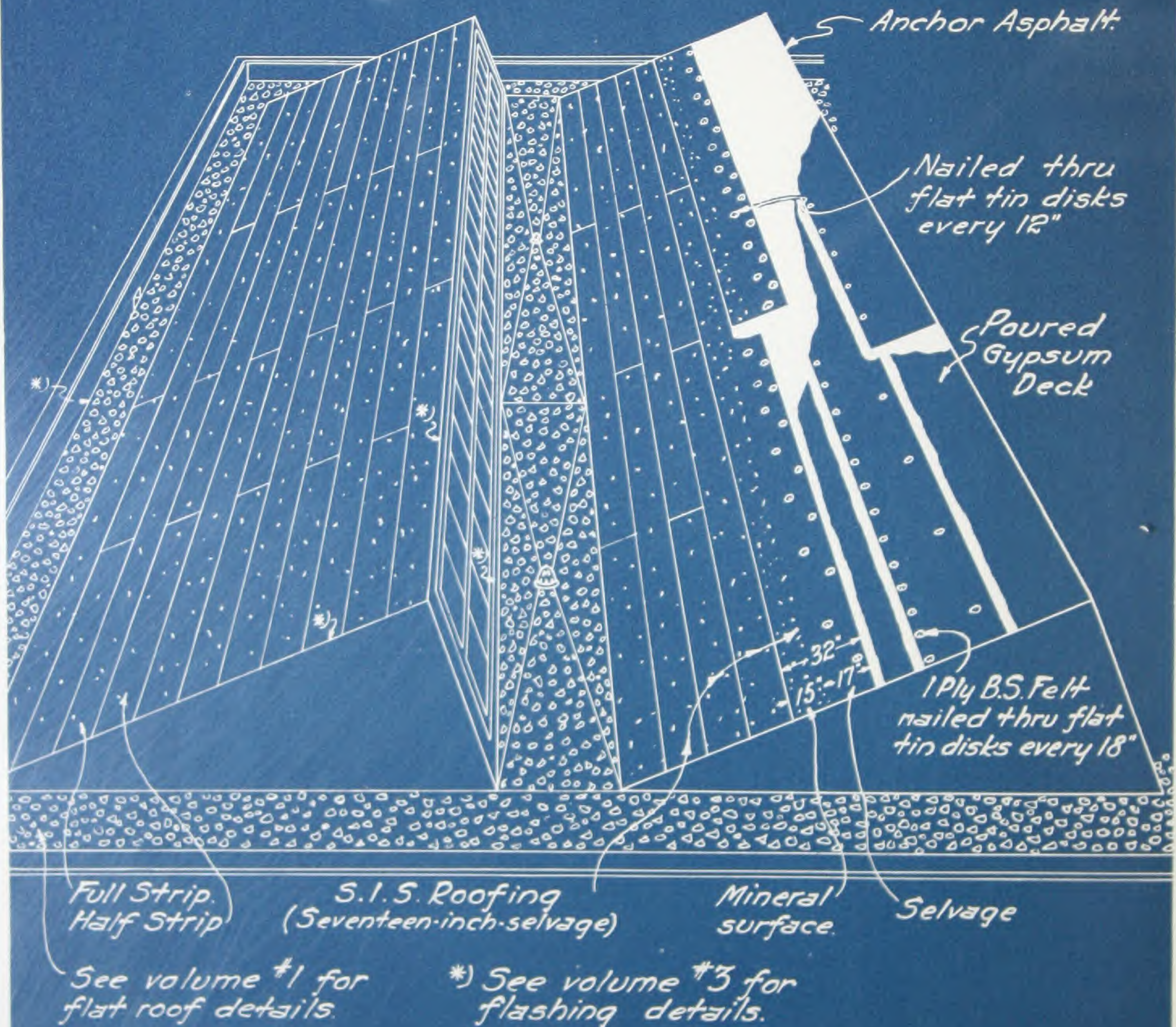
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Barrett SPECIAL S. I. S. STEEP ROOF
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BARRETT SPECIAL S. I. S. STEEP ROOF FOR USE OVER POURED GYPSUM

FOR INCLINES EXCEEDING FOUR (4) INCHES TO THE FOOT

THE roof deck shall be smooth, firm, dry and free from loose material.

FIRST—The surface of the gypsum deck shall be given a priming coat of Barrett Crystal Liquid Roof Coating. The priming coat shall be allowed to dry for not less than six (6) hours before the application of the Barrett Anchor Brand Roofing Asphalt.

SECOND—Over the entire surface of the roof deck spread with a mop a uniform coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately embedded one (1) ply of Specification Tarred Felt, laid at right angles to the incline of the roof, lapping each sheet six (6) inches over preceding one. The six (6) inch over-lap shall be thoroughly cemented together with Barrett Anchor Brand Roofing Asphalt. The felt shall be nailed two (2) inches from the lower edge of each sheet, with barbed roofing nails through flat tin disks, spacing the nails not more than eighteen (18) inches apart.

THIRD—Over the entire surface spread a uniform mopped coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately rolled Barrett S. I. S. Roofing laid at right angles to the incline of the roof, lapping the sheets the full width of the seventeen (17) inch selvage. All sheets of Barrett S. I. S. Roofing shall be securely fastened in place with a double course of one and one-half (1½) inch barbed roofing nails driven through flat tin disks, and placed along the selvage side of the sheet. Nailing courses to be staggered and nails to be spaced not more than twelve (12) inches apart. The lower nailing course shall be held back two (2) inches from the mineral surfacing.

FOURTH—Spread over the entire surface of the seventeen (17) inch selvage a uniform mopping of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately rolled the following sheet of Barrett S. I. S. Roofing.

FIFTH—All end laps shall be over-lapped at least six (6) inches. The underlying sheet of each end lap shall be nailed with six (6) nails through flat tin disks spaced five (5) inches apart starting one (1) inch from the lower edge of the sheet. The six (6) inch lap shall be coated with Barrett Anchor Brand Roofing Asphalt and the over-lapping sheet thoroughly pressed down.

SIXTH—The Barrett S. I. S. Roofing shall be cut in strips not to exceed twenty (20) feet in length and shall be stacked flat in piles at least twenty-four (24) hours before using.

GENERAL—The felt and S. I. S. Roofing shall be laid without wrinkles or buckles. Not less than one hundred (100) pounds of Barrett Anchor Brand Roofing Asphalt shall be used for constructing each one hundred (100) square feet of completed roof.

Where steep roofs join flat roofs, the roofing on the flat surfaces shall be carried up the inclined surfaces not less than twenty-four (24) inches before the application of the steep roofing.

The roof shall be applied by a roofing contractor approved by The Barrett Company. He shall furnish The Barrett Company's Surety Bond Guaranty issued by the United States Fidelity & Guaranty Company of Baltimore, covering a period of ten (10) years from date of completion in accordance with Note No. 1.

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- (a) That the steep roof area shall be roofed in conjunction with the flat roof area.
- (b) That the flat roof area shall be covered with a Barrett Specification Type "A" or Type "AA" roof.

—————
This specification does not include flat roofing.

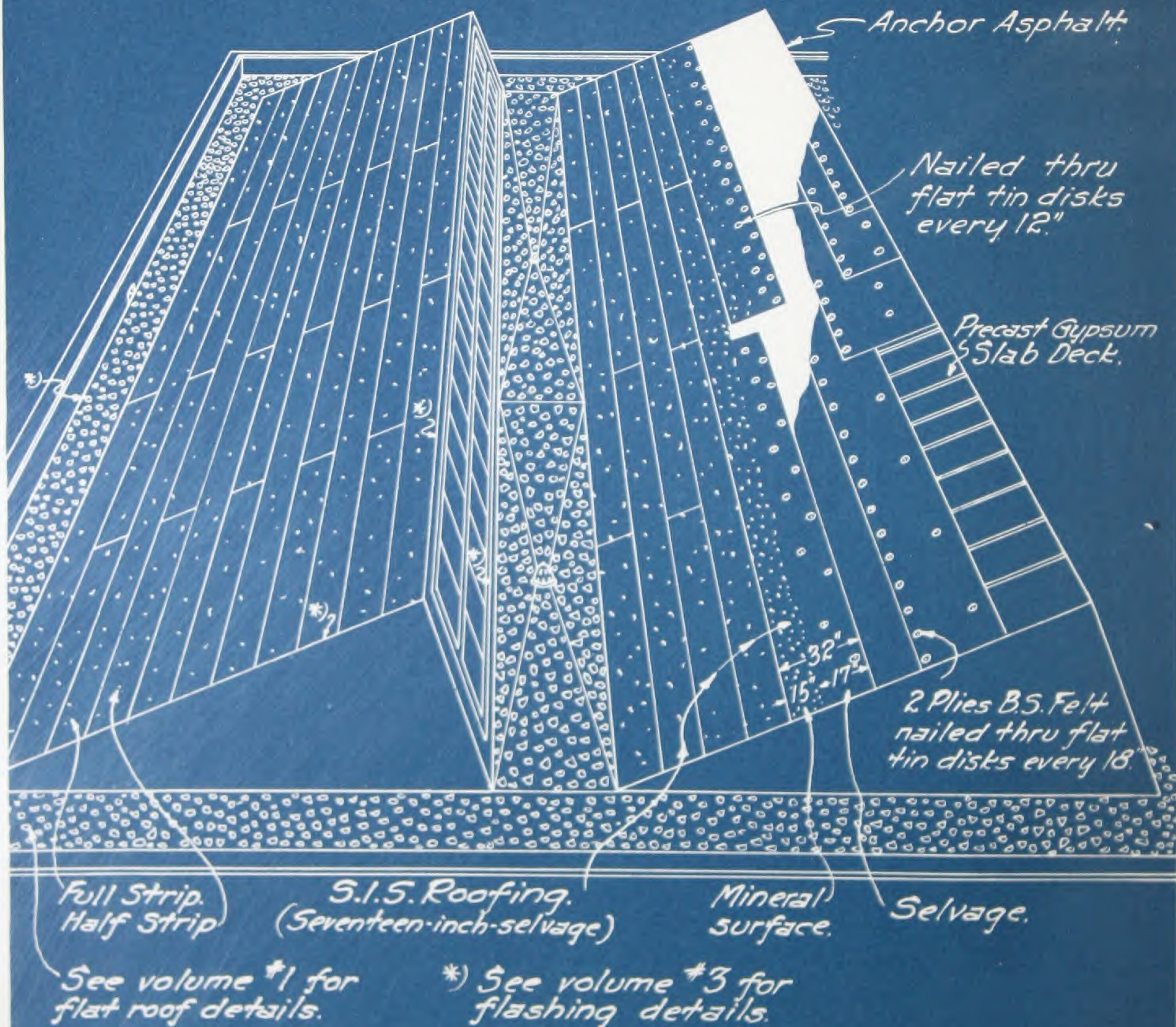
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See Volume I for Flat Roof Specifications.

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This specification does not include flashings.

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See Volume III for Flashing Specifications.

Barrett SPECIAL S. I. S. STEEP ROOF
FOR USE
OVER PRECAST GYPSUM SLABS

CAUTION:
Do not tear out
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BARRETT SPECIAL S. I. S. STEEP ROOF FOR USE OVER PRECAST GYPSUM SLABS

FOR INCLINES EXCEEDING FOUR (4) INCHES TO THE FOOT

ALL joints between precast gypsum slabs shall be properly pointed up. The roof deck shall be smooth, firm, dry and free from loose material.

FIRST—Over the entire surface lay two (2) plies of Specification Tarred Felt at right angles to the incline of the roof, lapping each sheet seventeen (17) inches over preceding one. Each sheet shall be nailed two (2) inches from the lower edge with barbed roofing nails, through flat tin disks, spacing the nails not more than eighteen (18) inches apart.

SECOND—Over the entire surface spread with a mop a uniform coating of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately rolled Barrett S. I. S. Roofing laid at right angles to the incline of the roof, lapping the sheets the full width of the seventeen (17) inch selvage. All sheets of Barrett S. I. S. Roofing shall be securely fastened in place with a double course of one and one-half (1½) inch barbed roofing nails driven through flat tin disks, and placed along the selvage side of the sheet. Nailing courses to be staggered and nails to be spaced not more than twelve (12) inches apart. The lower nailing course shall be held back two (2) inches from the mineral surfacing.

THIRD—Spread over the entire surface of the seventeen (17) inch selvage a uniform mopping of Barrett Anchor Brand Roofing Asphalt, into which, while hot, shall be immediately rolled the following sheet of Barrett S. I. S. Roofing.

FOURTH—All end laps shall be over-lapped at least six (6) inches. The underlying sheet of each end lap shall be nailed with six (6) nails through flat tin disks spaced five (5) inches apart starting one (1) inch from the lower edge of the sheet. The six (6) inch lap shall be coated with Barrett Anchor Brand Roofing Asphalt and the over-lapping sheet thoroughly pressed down.

FIFTH—The Barrett S. I. S. Roofing shall be cut in strips not to exceed twenty (20) feet in length and shall be stacked flat in piles at least twenty-four (24) hours before using.

GENERAL—The felt and S. I. S. Roofing shall be laid without wrinkles or buckles. Not less than fifty (50) pounds of Barrett Anchor Brand Roofing Asphalt shall be used for constructing each one hundred (100) square feet of completed roof.

Where steep roofs join flat roofs, the roofing on the flat surfaces shall be carried up the inclined surfaces not less than twenty-four (24) inches before the application of the steep roofing.

The roof shall be applied by a roofing contractor approved by The Barrett Company. He shall furnish The Barrett Company's Surety Bond Guaranty issued by the United States Fidelity & Guaranty Company of Baltimore, covering a period of ten (10) years from date of completion in accordance with Note No. 1.

NOTE No. 1.—The Barrett Company will give its ten-year Guaranty Bond on jobs in the United States and Canada where its inspection service is available providing the roof is laid by a roofing contractor approved by The Barrett Company in strict accordance with the above specification and subject to Barrett inspection and approval under the following conditions:

- (a) That the steep roof area shall be roofed in conjunction with the flat roof area.
- (b) That the flat roof area shall be covered with a Barrett Specification Type "A" or Type "AA" roof.

—————3—————
This specification does not include flat roofing.

See Volume I for Flat Roofing Specifications.

—————3—————
This specification does not include flashings.

See Volume III for Flashing Specifications.

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